

CLAIMS

What is claimed is:

- 1 1. A method comprising:  
2 obtaining exclusive use of a system event log in a host  
3 system from among one or more system management applications;  
4 obtaining an identifier corresponding to an unprocessed  
5 record; and  
6 determining the next unprocessed record.
- 1 2. The method of claim 1 wherein the system event log is the  
2 system event log of an Intelligent Platform Management  
3 Interface (IPMI) operating in the host system.
- 1 3. The method of claim 2 wherein the unprocessed record is a  
2 record of an IPMI event.
- 1 4. The method of claim 1 wherein obtaining exclusive use of  
2 the system event log includes,  
3 requesting exclusive use of the system event log; and  
4 receiving an acknowledgement that exclusive use is  
5 granted.
- 1 5. The method of claim 4 wherein receiving exclusive use of  
2 the system event log includes accessing the Intelligent  
3 Platform Management Interface Last Software Process Event ID  
4 storage location.
- 1 6. The method of claim 1 wherein obtaining exclusive use of  
2 the event log includes issuing a lock request to a lock agent  
3 application.
- 1 7. The method of claim 6 wherein the lock agent application  
2 runs on the host system.

1 8. The method of claim 1 wherein the one or more system  
2 management applications include in-band system management  
3 applications.

1 9. The method of claim 1 wherein the one or more system  
2 management applications include out-of-band system management  
3 applications.

1 10. The method of claim 1 wherein the one or more system  
2 management applications include out-of-band system management  
3 applications and in-band system management applications.

1 11. The method of claim 1 further comprising:  
2 processing the unprocessed record; and  
3 releasing exclusive use of the system event log.

1 12. The method of claim 1 further comprising:  
2 determining if there are additional records to process.

1 13. The method of claim 1 further comprising:  
2 storing the identifier corresponding to the unprocessed  
3 record in non-volatile memory.

1 14. The method of claim 1 further comprising:  
2 storing the identifier corresponding to the unprocessed  
3 record in the Intelligent Platform Management Interface Last  
4 Software Process Event ID storage location.

1 15. A machine-readable medium comprising at least one  
2 instruction to synchronize the exclusive use of the system  
3 event log, which when executed by a processor, causes the  
4 processor to perform operations comprising:  
5 receiving a request for the exclusive use of a system  
6 event log in a host system from one of one or more system  
7 management applications;

8           granting exclusive use of the system event log to the  
9           requesting system management application if no other system  
10          management application maintains a lock on the system event  
11          log; and

12          denying use of the system event log to the requesting  
13          system management application if another application maintains  
14          a lock on the system event log.

1          16. The machine-readable medium claim 15 wherein the system  
2          event log is the system event log of an Intelligent Platform  
3          Management Interface (IPMI) operating in the host system.

1          17. The machine-readable medium of claim 15 further  
2          comprising:

3                determining if exclusive use of the system event log is  
4                locked by another application.

1          18. The machine-readable medium of claim 15 wherein the one  
2          or more system management applications include in-band system  
3          management applications.

1          19. The machine-readable medium of claim 15 wherein the one  
2          or more system management applications include out-of-band  
3          system management applications.

1          20. The machine-readable medium of claim 15 wherein the one  
2          or more system management applications include out-of-band  
3          system management applications and in-band system management  
4          applications.

1          21. The machine-readable medium of claim 15 further  
2          comprising:

3                receiving a request to release the lock on the exclusive  
4                use of the system event log in the host system from a system  
5                management application; and

6 releasing the lock on the exclusive use of the system  
7 event log.

1 22. A machine-readable medium comprising at least one  
2 instruction to manage the Intelligent Platform Management  
3 Interface (IPMI), which when executed by a processor, causes  
4 the processor to perform operations comprising:

5 requesting exclusive use of the IPMI system event log;  
6 requesting an unprocessed system event exclusive use of  
7 the system event log was obtained; and  
8 releasing exclusive use of the IPMI system event log.

1 23. The machine-readable medium of claim 22 wherein the IPMI  
2 system event log is on a server unit configured to run IPMI.

1 24. The machine-readable medium of claim 22 further  
2 comprising:  
3 processing the unprocessed system event.

1 25. A system comprising:  
2 a first processing unit configured to implement an  
3 Intelligent Platform Management Interface and synchronize the  
4 exclusive access to a system event log by a system management  
5 application from one or more system management applications;  
6 and  
7 a second processing unit communicatively coupled to the  
8 first processor and configured to manage the Intelligent  
9 Platform Management Interface via a system management  
10 application, the second processing unit to access the system  
11 event log only if the first processing unit grants exclusive  
12 access to the system event log.

1 26. The system of claim 25 wherein the second processing unit  
2 requests exclusive access to the system event log from the  
3 first processing unit.

1 27. The system of claim 25 wherein the second processing unit  
2 retrieves a last processed event before retrieving a next  
3 unprocessed event.

1 28. The system of claim 25 wherein the second processing unit  
2 requests that the first processing unit revoke its exclusive  
3 use of the system event log.

1 29. The system of claim 25 wherein the second processing unit  
2 accesses the Last Software Processed Event ID storage location  
3 in the first processing unit.